

**Part 1            General**

**1.1                REFERENCES**

- .1        ANSI A117.1 – Accessible and Usable Buildings and Facilities
- .2        ASTM A653 – Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Alloy Coated (Galvanealed) by the Hot-Dip Process
- .3        CAN4-S104 - Fire Tests of Door Assemblies
- .4        CAN/CSA-G40.20-04/G40.21 - General Requirements for Rolled or Welded Structural Quality Steel/Structural Quality Steel
- .5        CSA-W59 - Welded Steel Construction (Metal Arc Welding)
- .6        CSDMA (Canadian Steel Door Manufacturers Association)
- .7        NFPA 80 - Fire Doors and Fire Windows
- .8        SDI (Steel Door Institute)

**1.2                SUBMITTALS**

- .1        Product Data: Indicate door and frame configurations and finishes, location of cut-outs for hardware reinforcement.
- .2        Shop Drawings:
  - .1        Indicate frame elevations, reinforcement, anchor types and spacing, location of cut-outs for hardware, and finish.
  - .2        Indicate door elevations, internal reinforcement, closure method, cut-outs where required, and finishes.

**1.3                QUALITY ASSURANCE**

- .1        Conform to requirements of CSDMA, SDI, ANSI A117.1.
- .2        Manufacturer Qualifications: Company specializing in manufacturing the Products specified in this section with minimum three (3) documented experience.

**1.4                REGULATORY REQUIREMENTS**

- .1        Fire Rated Door and Frame Construction: Labelled and listed to CAN4-S104.
- .2        Installed Door and Frame Assembly: Conform to NFPA 80 for fire rated class as scheduled.

**1.5 DELIVERY, STORAGE, AND PROTECTION**

- .1 Remove doors and frames from wrappings or coverings upon receipt on site and inspect for damage.
- .2 Store in vertical position, spaced with blocking to permit air circulation between components.
- .3 Store materials on planks or dunnage, out of water and covered to protect from damage.
- .4 Clean and touch up scratches or disfigurement caused by shipping or handling with zinc-rich primer.

**1.6 PROJECT CONDITIONS**

- .1 Coordinate the work with frame opening construction, door and hardware installation.
- .2 Sequence installation to ensure wire connections are achieved in an orderly and expeditious manner.

**Part 2 Products**

**2.1 MATERIALS**

- .1 Sheet Steel: commercial grade, galvanized to ASTM A653; base metal thickness with A40 coating.
  - .1 Frames: 1.63 mm (16 Ga.)
  - .2 Doors: 1.22 mm (18 Ga.)
- .2 Reinforcement: to CSA G40.20/G40.21, Type 44W, coating designation to ASTM A653, A40.

**2.2 ADHESIVES**

- .1 Cores and Steel Components: Heat resistant, structural reinforced epoxy, resin based adhesive.
- .2 Lock Seam: Reinforced epoxy resin, high viscosity, thicksotroptic sealant.

**2.3 PRIMERS**

- .1 Rust inhibitive, zinc chromate type; touch-up only; compatible with paint finish.

**2.4 ACCESSORIES**

- .1 Door Silencers: Single stud rubber/neoprene.

**2.5 FABRICATION - DOORS**

- .1 Doors: all edges continuously welded, no visible seams

- .1 Interior
- .2 Interior - Insulated
- .3 Fire-Rated: tested as part of complete door and frame assembly in accordance with CAN4-S104 and listed by a nationally recognized testing agency having a factory inspection service.
- .2 Top and Bottom Channels: Inverted, recessed, welded steel channels with plate at head and sill of door, seams continually welded.
- .3 Mortised, blanked, reinforced, drilled and tapped for templated hardware, in accordance with templates provided by hardware supplier.
- .4 Reinforce for surface mounted hardware, anchor hinges, thrust pivots, pivot reinforced hinges, or non-templated hardware.
- .5 Provide factory-applied touch-up primer at areas where zinc coating has been removed during fabrication.

## **2.6 FABRICATION - FRAMES**

- .1 Frames:
  - .1 Fully welded construction.
- .2 Mortised, blanked, reinforced, drilled and tapped for templated hardware, in accordance with templates provided by hardware supplier. Provide mortar guard boxes, 0.76 mm welded in place.
- .3 Reinforce frames wider than 1 200 mm with roll formed steel channels fitted tightly into frame head, flush with top.
- .4 Prepare frames for silencers. Provide three (3) single silencers for single doors on strike side. Provide two (2) single silencers on frame head at double doors.
- .5 Attach fire rated label to each fire rated door unit.
- .6 Removable Stops: Rolled steel shape, mitred corners; prepared for countersink style tamper proof screws.
- .7 Anchors: Purpose made to rigidly secure frames, 3 per jamb.
- .8 Provide drywall returns on all frames.
- .9 Attach channel spreaders at bottom of frames for shipping.
- .10 Insulation: as per door frame manufacturer's standard.

**Part 3            Execution**

**3.1               EXAMINATION**

- .1      Verify that opening sizes and tolerances are acceptable; check floor area within path of door swing for flatness.
- .2      Verify doors and frames are correct size, swing, rating and opening number.
- .3      Remove temporary shipping spreaders.

**3.2               INSTALLATION**

- .1      Install doors and frames to CSDMA.
- .2      Install fire-rated doors and frames in accordance with NFPA 80, and local authority having jurisdiction.
- .3      Coordinate with gypsum board wall construction for anchor placement.
- .4      Coordinate installation of doors and frames with installation of hardware specified in Section 08 71 00.
- .5      Set frames plumb, square, level and at correct elevation.
- .6      Secure anchorages and connections to adjacent construction.
- .7      Brace frames rigidly in position while building-in. Install wood spreaders at third points of frame rebate height to maintain frame width. Provide vertical support at centre of head for openings exceeding 1200 mm in width.
- .8      Remove wood spreaders after frames have been built-in.
- .9      Make allowance for deflection to ensure structural loads are not transmitted to frame product.
- .10     Install doors, and hardware in accordance with hardware templates and manufacturer's instructions. Install conduit as required for electric locks.
- .11     Adjust operable parts for correct clearances and function.
- .12     Install door silencers.
- .13     Finish paint as specified in Section 09 90 00.

**3.3               ERECTION TOLERANCES**

- .1      Maximum Diagonal Distortion: 1.5 mm measured with straight edges, crossed corner to corner

**END OF SECTION**

**Part 1 General****1.1 REFERENCES**

- .1 ASTM A653 - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process
- .2 ASTM A1011 - Standard Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, and Ultra-High Strength
- .3 ASTM E90 - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements
- .4 CSA G40.20/G40.21 – General Requirements for Rolled or Welded Structural Quality Steel/Structural Quality Steel
- .5 CSDMA Selection and Usage Guide for Steel Doors and Frames
- .6 ICC/ANSI A117.1 - Standard for Accessible and Usable Buildings and Facilities
- .7 ULC 752 - Standard for Bullet Resisting Equipment

**1.2 PERFORMANCE REQUIREMENTS**

- .1 Ballistic Resistance: Conform to ULC 752, Level 2.
- .2 Acoustic Performance: Minimum Sound Transmission Class (STC) 52 tested to ASTM E90. Label indicating sound transmission class shall be applied to the door and door frame.
- .3 Installed Door and Frame Assembly: Conform to ICC/ANSI A117.1

**1.3 SUBMITTALS**

- .1 Section 01 33 00: Submission procedures.
- .2 Product Data: Provide product data on door construction.
- .3 Shop Drawings: Indicate door elevations, internal reinforcement, anchor types, closure methods, finishes, location for hardware, and cut-outs for glazing.
- .4 Test Data:
  - .1 Submit independent test data from a recognized licensed laboratory indicating compliance with the bullet-resistance requirements.
  - .2 Submit test data indicating compliance with the Sound Transmission Class (STC) requirements. Include laboratory name, test report number, and date of test.

- .3 Submit certification from test laboratory qualified under the National Voluntary Accreditation Program (NVLAP) of the U.S. Bureau of Standards.

## **1.4 QUALITY ASSURANCE**

- .1 Manufacturer: Minimum 5 years documented experience manufacturing blast resistant door and frame assemblies.
- .2 Pre-installation Meeting: Convene a pre-installation meeting 2 weeks before start of installation of door, door hardware and operator assemblies. Require attendance of parties directly affecting work of this section, including contractor, architect, installer, and manufacturer's representative. Review installation and coordination with other work.

## **1.5 DELIVERY, STORAGE AND PROTECTION**

- .1 Section 01 61 00: Transport, handle, store, and protect products.
- .2 Remove door panels, door hardware and operators from wrappings or coverings upon receipt on site and inspect for damage.
- .3 Store in vertical position, spaced with blocking to permit air circulation between components.
- .4 Store materials out of water and covered to protect from damage.
- .5 Clean and touch up scratches or disfigurement caused by shipping or handling with zinc-rich primer.

## **Part 2 Products**

### **2.1 MATERIALS**

- .1 Sheet Steel: Galvanized steel to ASTM A653
  - .1 Coating designation ZF001, for interior door assemblies
- .2 Reinforcement: To CSA G40.20/G40.21, coating designation to ASTM A653, ZF75
- .3 Structural Plate: Hot rolled steel to ASTM A1011.

### **2.2 HARDWARE**

- .1 Hinges provided by door manufacturer.
- .2 For all other hardware items, refer to Section 08 71 00.

### **2.3 ACCESSORIES**

- .1 Glazing Stops: Formed galvanized steel channel, mitred corners; prepared for countersunk style tamperproof screws.

.2 Glass: Type as tested to achieve ballistic and acoustic ratings.

.3 Primer: Rust inhibitive zinc chromate.

## **2.4 FABRICATION**

.1 Manufacture doors and frames to STC rating of 52, measured in accordance with ASTM E90.

.2 Manufacture doors and frames to Level 2 bullet resistance rating in accordance with UL 752.

.3 Bullet Resistant, Steel, Acoustic Doors, Swinging Door Type:

.1 Sheet steel faces, thickness, design, and core suitable to achieve specified bullet resistant, acoustic performance.

.2 Bullet resistant, acoustic construction, mechanically inter-locked shall be welded, filled and sanded with visible edge seams.

.3 Weld structural steel channels flush to top and bottom of door.

.4 Weld hardware reinforcement plates in place.

.5 Door core construction, longitudinal edges, mechanically inter-locked with visible edge seams.

.6 Reinforce doors where surface-mounted hardware is required.

.7 Drill and tap for mortised, templated hardware.

.8 Top and Bottom Channels: Inverted, recessed, welded steel channels.

.4 Install door silencers.

.5 Affix permanent metal nameplates to door and frame, indicating manufacturer's name, door tag, model number, and performance rating.

.6 Bullet Resistant, Acoustic Steel Frames:

.1 Sheet steel, metal thickness and appropriate to maintain door STC and fire ratings, mitred corners, fully welded seams.

.2 Factory assemble and weld frames.

.7 Factory install glazing: shall be in conformance with bullet resistant rating of door and frame assembly.

.8 Affix permanent metal nameplates to door and frame, indicating manufacturer's name, door tag, and STC rating where it shall be clearly visible.

## **2.5 FINISHES**

.1 Finish Painting: refer to Section 09 90 00.

**Part 3            Execution****3.1                INSTALLATION**

- .1        Install components to manufacturer's written instructions.
- .2        Install steel doors and frames to CSDMA standards and local authority having jurisdiction.
- .3        Utilize welders certified by Canadian Welding Bureau (CWB) for field welding.
- .4        Coordinate with concrete masonry wall construction for anchor placement.
- .5        Set frames plumb, square, level and at correct elevation.
- .6        Allow for deflection to ensure that structural loads are not transmitted to frame.
- .7        Adjust operable parts for correct clearances and function.
- .8        Install and adjust perimeter and bottom acoustic seals.
- .9        Finish paint in accordance with Section 09 90 00.

**3.2                FIELD QUALITY CONTROL**

- .1        Provide qualified manufacturer's representative to instruct installers on the proper installation and adjustment of door assemblies.
- .2        Provide manufacturer's representative to inspect door installation, and test minimum five (5) cycles of operation. Correct any deficient doors.

**END OF SECTION**



**Part 1 General****1.1 REFERENCES**

- .1 ASTM A653 - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process
- .2 ASTM A1011 - Standard Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, and Ultra-High Strength
- .3 ASTM E90 - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements
- .4 HMMA 840 - Installation and Storage of Hollow Metal Doors and Frames
- .5 ULC 752 - Standard for Bullet Resisting Equipment

**1.2 PERFORMANCE REQUIREMENTS**

- .1 Ballistic Resistance: Conform to ULC 752, Level 2.
- .2 Acoustic Performance: Minimum Sound Transmission Class (STC) 52 tested to ASTM E90. Label indicating sound transmission class shall be applied to the door and door frame.

**1.3 SUBMITTALS**

- .1 Section 01 33 00: Submission procedures.
- .2 Product Data: Provide product data on bullet resistant, acoustic rated steel window frame construction.
- .3 Shop Drawings: Indicate window frame elevations, internal reinforcement, anchor types.
- .4 Samples: Submit manufacturer's frame finish samples, as well as manufacturer's frame corner sample.
- .5 Test Data:
  - .1 Submit independent test data from a recognized licensed laboratory indicating compliance with the bullet-resistance and acoustic requirements.

**1.4 QUALITY ASSURANCE**

- .1 Perform Work to requirements of HMMA (Hollow Metal Manufacturers Association) standards.
- .2 Manufacturer: Minimum 5 years documented experience manufacturing bullet and acoustic resistant steel window frame assemblies.

- .3 Pre-installation Meeting: Convene a pre-installation meeting 2 weeks before start of installation of window frame assemblies. Require attendance of parties directly affecting work of this section, including contractor, architect, installer, and manufacturer's representative. Review installation and coordination with other work.

## **1.5 DELIVERY, STORAGE AND PROTECTION**

- .1 Section 01 61 00: Transport, handle, store, and protect products.
- .2 Comply with HMMA 840.
- .3 Remove window frames from wrappings or coverings upon receipt on site and inspect for damage.
- .4 Store in vertical position, spaced with blocking to permit air circulation between components.
- .5 Store materials out of water and covered to protect from damage.
- .6 Clean and touch up scratches or disfigurement of frames caused by shipping or handling with zinc-rich primer.

## **Part 2 Products**

### **2.1 MATERIALS**

- .1 Sheet Steel: Galvanized steel to ASTM A653
  - .1 Coating designation ZF001 for interior bullet resistant steel window frame assemblies.
- .2 Reinforcement: To CSA G40.20/G40.21, coating designation to ASTM A653/A653M, ZF75.
- .3 Structural Plate: Hot rolled steel to ASTM A1011.

### **2.2 ACCESSORIES**

- .1 Glazing Stops: Formed galvanized steel channel, mitred corners; prepared for countersunk style tamperproof screws.
- .2 Glass: Type as tested to achieve ballistic and acoustic ratings. Glazing to be factory supplied loose ready for site installation by others.
- .3 Primer: Rust inhibitive zinc chromate.

### **2.3 FABRICATION**

- .1 Manufacture windows to STC rating of 52, measured in accordance with ASTM E90.

- .2 Manufacture windows to Level 2 bullet resistance rating in accordance with UL 752.
- .2 Bullet Resistant, Acoustic Steel Window Frames: Fixed in-place, Inoperable
  - .1 Sheet steel and metal thickness appropriate to maintain frame bullet resistant and acoustic ratings.
  - .2 Frame members shall be fabricated with mitred corners.
  - .3 Factory assemble and weld frames.
  - .4 Affix permanent metal nameplates to window frame, indicating manufacturer's name, tag, model number, and performance rating.

## **2.4 SUPPLY OF GLAZING**

- .1 Glazing shall be designed in conformance with 1.2.
- .2 Glazing shall be factory supplied and shipped loose ready for site installation by others.

## **Part 3 Execution**

### **3.1 INSTALLATION**

- .1 Install components including bullet resistant, acoustic rated steel window frames and glazing in accordance with manufacturer's written instructions.
- .2 Install window frames to HMMA 840 standards.
- .3 Coordinate with concrete masonry wall construction for anchor placement.
- .4 Set frames plumb, square, level and at correct elevation.
- .5 Allow for deflection to ensure that structural loads are not transmitted to frame.
- .6 Finish paint in accordance with Section 09 90 00.

### **3.2 ERECTION TOLERANCES**

- .1 Section 01 73 00: Tolerances.
- .2 Installation tolerances of installed frame for squareness, alignment, twist and plumbness are to be no more than  $\pm 1/16$ in (1.5mm) in compliance with HMMA 841.

### **3.3 FIELD QUALITY CONTROL**

- .1 Provide qualified manufacturer's representative to instruct installers on the proper installation and adjustment of bullet resistant, window frame assemblies.
- .2 Provide manufacturer's representative to inspect bullet resistant window frame installation. Correct any deficient assemblies.

**END OF SECTION**

**Part 1 General**

**1.1 REFERENCES**

- .1 ANSI/BHMA A156 Series
- .2 DHI (Door and Hardware Institute) Canada
- .3 Provincial Building Code (\*where project is located)
- .4 NFPA 80 – Standard for Fire Doors and Other Protectives
- .5 ULC (Underwriters Laboratory Canada)

**1.2 ADMINISTRATIVE REQUIREMENTS**

- .1 Coordination: Coordinate with other work having a direct bearing on work of this section.
  - .1 Coordinate the work with other directly affected sections involving manufacture or fabrication of internal reinforcement for door hardware and recessed items.
  - .2 Coordinate Owner's keying requirements during the course of the Work.
- .2 Sequencing: Sequence installation to ensure utility connections are achieved in an orderly and expeditious manner.

**1.3 SUBMITTALS**

- .1 Shop Drawings:
  - .1 Indicate locations and mounting heights of each type of hardware, schedules, catalogue cuts, electrical characteristics and connection requirements.
  - .2 Submit manufacturer's parts lists, templates.
- .2 Schedules:
  - .1 Schedules shall reference architectural openings as identified on architectural plans and in specifications.
  - .2 Indicate specified hardware, including make, model, material, function, size, finish and other pertinent information.
  - .3 Detailed Hardware Schedules shall be submitted as per "Sequence and Format for the Hardware Schedule" vertical format as published by DHI.
  - .4 Submit proposed keying schedule for locks and cylinders to Consultant for approval.
- .3 Inspections:
  - .1 Supplier's consultant to provide a written inspection stating completed installations and applications comply with manufacturer's warranty and recommended installation instructions.
  - .2 Submit written record of initial inspection of fire rated openings in conformance with *NFPA 80 Standard for Fire Doors and Other Protectives* - 5.2.
- .4 Electrified Hardware:

- .1 Submit riser diagrams and detailed method of operation for electrified hardware, including correct wire runs, back boxes, 120 VAC requirements and fire alarm connections, gage, quantity, type of wire, and termination points. Termination points to be molded modular snap-in connectors where possible.
- .2 Submit point-to-point diagrams on electrified hardware.
- .5 Installation Data: Manufacturer's installation requirements.

#### **1.4 CLOSEOUT SUBMITTALS**

- .1 Operation and Maintenance Data: Include data on operating hardware, lubrication requirements, and inspection procedures related to preventative maintenance.
- .2 Warranty Documentation: Submit manufacturer warranty and ensure forms have been completed in Owner's name and registered with manufacturer.
- .3 Record Documentation:
  - .1 Record actual locations of installed cylinders and their master key code.
  - .2 Keys: Deliver with identifying tags to Owner by security shipment direct from hardware supplier.

#### **1.5 QUALITY ASSURANCE**

- .1 Perform Work in accordance with ANSI/BHMA and Provincial Building Code (where project is located).
- .2 Obtain each type of hardware (locksets, closers, etc.) for all hardware sets from single manufacturer.
- .3 Supplier/Installer:
  - .1 Supplier shall possess minimum of 5 years of experience with Architectural Hardware on projects of similar size.
  - .2 Supplier shall employ or retain the services of an Architectural Hardware Consultant (A.H.C.) in good standing with DHI for review of schedules prior to submittal, to verify effective coordination and proper function of all components listed.
  - .3 Supplier's Installer shall be certified for installation of proprietary systems and specialized hardware as required.
- .4 Pre-installation Meetings: conduct pre-installation meeting to verify project requirements, manufacturer's installation instructions and manufacturer's warranty requirements.
- .5 Adjustments to hardware shall be completed with all building systems in operation.

#### **1.6 REGULATORY REQUIREMENTS**

- .1 Conform to applicable code for Products requiring electrical connection. Listed and classified by ULC, as suitable for the purpose specified and indicated.

#### **1.7 DELIVERY, STORAGE, AND PROTECTION**

- .1 Deliver, store, handle, and protect materials in accordance with Section 016100.

- .2 Package hardware items individually; label and identify each package with door opening code to match hardware schedule.

## **1.8 WARRANTY**

- .1 Section 01 78 00: Warranties and Bonds.
- .2 Provide manufacturers' standard warranties.

## **Part 2 Products**

### **2.1 HARDWARE ITEMS**

- .1 Refer to Schedule at end of Section for specified products.

### **2.2 KEYING**

- .1 Prepare detailed keying schedule in conjunction with Owner.
- .2 Provide keys in triplicate for every lock in this Contract.
- .3 Stamp keying code numbers on keys and cylinders.

### **2.3 FINISHES**

- .1 Finishes: Identified in Schedule at end of section.

## **Part 3 Execution**

### **3.1 EXAMINATION**

- .1 Verify that doors and frames are ready to receive work and dimensions are as indicated on shop drawings, instructed by the manufacturer.
- .2 Verify that electric power is available to power operated devices and is of the correct characteristics.

### **3.2 INSTALLATION**

- .1 Install hardware to manufacturer instructions.
- .2 Use templates provided by hardware item manufacturer.
- .3 Mounting heights: to door manufacturer's standard mounting heights and meeting Provincial Building Code.

### **3.3 FIELD QUALITY CONTROL**

- .1 Architectural Hardware Consultant will inspect installation and certify that hardware and installation has been furnished and installed in accordance with manufacturer's written instructions and as specified.

### 3.4 ADJUSTING

- .1 Adjust hardware for smooth operation.

### 3.5 PROTECTION OF FINISHED WORK

- .1 Do not permit adjacent work to damage hardware or finish.

### 3.6 SCHEDULES

#### SET #1.0

	Hinges by door supplier			00
1	Passage Set	8215 LNL	US26D	SA
1	Electric Strike	712-75-24D	630	FO
1	Auto Operator	Besam SW200i	AL	BM
1	Kick Plate	K1050 10"	US32D	RO
1	Door Stop	441H	US26D	RO
1	All gasketing by door supplier			00
2	Door Switch	502		NO

NOTE: Pressing door switch on either side of door will release the electric strike and power open the door. Electric strike powered by the auto operator's on board power supply.

#### SET #2.0

3	Hinge (heavy weight)	T4A3786 NRP 4-1/2" x 4-1/2"	US26D	MK
1	Storeroom Lock	8204 LNL	US26D	SA
1	Cylinder	41	US26D	SA
1	Electric Strike	712-75-24D	630	FO
1	Auto Operator	Besam SW200i	AL	BM
1	Kick Plate	K1050 10"	US32D	RO
1	Door Stop	441H	US26D	RO
1	All gasketing by door supplier			00
1	Door Switch	502		NO
1	Keyswitch	MK		SU

NOTE: Entry by key in outside lever or by turning key in key switch, which will release the electric strike and power open the door. Free egress by turning inside lever, or pushing inside door switch which will release the electric strike and power open the door when pressed. Electric strike powered by the auto operator's on board power supply.

Confirm keying with owner prior to ordering locks.

#### SET #3.0

3	Hinge	TA2714 NRP 4-1/2" x 4"	US26D	MK
1	Storeroom Lock	8204 LNL	US26D	SA
1	Wall Stop	406	US32D	RO

NOTE: Confirm keying with owner prior to ordering locks.

#### SET #4.0



3	Hinge (heavy weight)	T4A3786 NRP 4-1/2" x 4-1/2"	US26D	MK
1	Storeroom Lock	8204 LNL	US26D	SA
1	Door Closer	351 OZ	EN	SA
1	Drop Plate	351B	EN	SA
1	Kick Plate	K1050 10"	US32D	RO
1	Door Stop	441H	US26D	RO
1	All gasketing by door supplier			00

NOTE: Confirm keying with owner prior to ordering locks.

**SET #5.0**

	Hinges by door supplier			00
1	Exit Latch	8213 LNL	US26D	SA
1	Door Closer	351 OZ	EN	SA
1	Drop Plate	351B	EN	SA
1	Door Stop	441H	US26D	RO
1	All gasketing by door supplier			00

**END OF SECTION**